

# SEPA ENVIRONMENTAL CHECKLIST

## ***Purpose of checklist:***

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

## ***Instructions for applicants:***

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

## ***Instructions for Lead Agencies:***

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

## ***Use of checklist for nonproject proposals:***

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

## **A. Background**

1. Name of proposed project, if applicable:

**Redemption Church**

2. Name of applicant:

**Redemption Church**

3. Address and phone number of applicant and contact person:

**Applicant:**

**Redemption Church  
15305 Main Street N.E.  
Duvall, WA 98019  
(425) 318-6077  
Contact: Matt Boswell**

**Contact Person:**

**Barghausen Consulting Engineers, Inc.  
18215 - 72nd Avenue South  
Kent, WA 98032  
(425) 251-6222  
Contact: Ivana Halvorsen**

4. Date checklist prepared:

**February 2020**

5. Agency requesting checklist:

**City of Duvall**

6. Proposed timing or schedule (including phasing, if applicable):

**Site work to occur in 2020-2021 with building construction planned 2021.**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

**In the future, the applicant intends to procure an offsite parking agreement/easement and enlarge the assembly area from the currently proposed 2,100 square feet assembly area to a larger size that will accommodate larger services. The future expansion of the assembly will be an interior remodel of the new church building.**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

**The following environmental documents have been prepared for the current proposal:**

- **SEPA Environmental Checklist dated February 2019**
- **Sensitive Areas Study prepared by Environmental Science Associates dated January 31, 2020**

- **Mitigation Plan prepared by Environmental Science Associates dated January 31, 2020**
- **Geotechnical Engineering Report prepared by Zipper Geo, dated October 31, 2017**
- **Preliminary Technical Information Report prepared by Barghausen Consulting Engineers, Inc. dated February 18, 2020**
- **Site Plan Review Plan set, including:**
  - **Preliminary Architectural Plan set prepared by Kovach Architects**
  - **Preliminary Site Plan set prepared by Barghausen Consulting Engineers, Inc.**
  - **Preliminary Lighting and Photometric Plan prepared by LSI Industries Inc.**
  - **Existing Conditions Plan (Survey by LDC, Inc. dated November 2, 2017)**
  - **Preliminary Lot Line Adjustment prepared by LDC, Inc.**

**The following environmental documents will be prepared for construction of the project:**

- **Building Permit Plans**
  - **Civil Construction Plans**
  - **SWPPP Report**
  - **Technical Information Report**
  - **As-Built Plans for stormwater, water, and sewer – as applicable**
  - **Final Boundary Line Adjustment**
  - **Final Wetland Buffer Enhancement/Mitigation Plans**
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

**The applicant has no other pending approvals for this project.**

10. List any government approvals or permits that will be needed for your proposal, if known.

The following permits are anticipated for the Redemption Church project:

**Duvall Permits**

- **Site Plan Review**
- **Design Review**
- **SEPA Determination**
- **Variance for Reduced Landscape Buffer at Street**
- **Modification for Flat Roof**

- **Modification for West Elevation**
- **Modification for Reduced Sidewalk Width on Primary Pedestrian Corridor (if applicable)**
- **Lot Line Adjustment/Elimination**
- **Site Development/Clearing/Grading Permit, as applicable**
- **Wet Weather Permit (if applicable)**
- **Building Permit – Major Remodel**
- **Right-of-Way Use Permit**
- **Future Tenant Improvement Building Permit to expand Assembly Area from currently proposed 2,100-square-foot sanctuary**

#### **Other Permits**

- **NPDES Permit**

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

**The project is to remodel an existing building to increase the overall square footage by adding a basement and full second story over the existing footprint with additional expansion to the north. The project proposes a 2,100-square-foot sanctuary/assembly area and 42 parking stalls, including 2 ADA accessible stalls.**

**The project will eliminate some existing intrusions into sensitive area buffers, including existing asphalt pavement and a drive-through canopy that remains from the previous bank use of the site. Stormwater will be managed as required per the 2016 King County Surface Water Design Manual (KCSWDM). Sensitive area buffer enhancement will be provided to support a reduced wetland buffer of 60 feet instead of the standard 80 feet.**

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

**The site is located at 15305 Main Street N.E. Duval, Washington 98019. The property includes King County Parcel Nos. 219900-0060, -0070, -0080. Please see vicinity map and plan set attached.**

## **B. Environmental Elements**

### **1. Earth**

- a. General description of the site:

(circle one): **Flat**, rolling, hilly, **steep slopes**, mountainous, other \_\_\_\_\_

- b. What is the steepest slope on the site (approximate percent slope)?

**The steepest slopes on the site exceed 40 percent.**

- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

**NRCS Soil Classifications on the site include 255 Tokul gravelly medial loam, 8 to 15 percent slopes. Some fill material has been placed in the southern portion the site. Some of the fill material that is not suitable for structural fill under parking will be removed and exported to an approved fill site. Imported material will be sourced from an approved source.**

**Tokul (255 Tokul gravelly medial loam) soils are considered farmland of statewide importance. The site is heavily impacted by prior development, clearing, grading, and filling. The proposal does not expect to remove native soils from the site.**

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

**The applicant is not aware of unstable soils in the project area.**

- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

**An unknown quantity of fill is located in the central area of the site where the south parking lot is proposed. As needed, some of the pre-existing fill materials may be removed and replaced with structural fill as recommended in the geotechnical engineering report to support the new parking area. Fill will be obtained and imported from an approved source. Amount of removed and replaced fill is expected to be approximately 2,000 cubic yards. Total grading for the site will be up to 6,000 cubic yards.**

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

**During construction erosion could occur from site grading and utility installation. Erosion and sedimentation control best management practices should be employed to reduce potential erosion.**

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

**Up to 75 percent of the net site area will be covered with impervious surfaces.**

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

**Temporary erosion and sediment control measures are outlined on the construction plans that the contractor will be required to follow.**

## **2. Air**

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

**Some fugitive dust could result from grading activities. No other emissions are anticipated.**

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

**Surrounding the site are commercial properties to the north and east with similar emissions to the subject property. A future coffee and doughnut shop is planned south of the site which may create some cooking smells. No off-site emissions are expected to affect the proposal.**

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

**No emissions reduction measures are proposed.**

## **3. Water**

- a. Surface Water:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

**The site contains one wetland that is part of a larger wetland that extends west and south of the site. The wetland drains toward Snoqualmie River which is west of the site. Snoqualmie River is more than 200 feet from the site.**

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

**Yes, the project has existing and proposed development within 200 feet of the wetlands on the site. The project will construct a new parking area in a**

**previously disturbed area of the site that is currently pavement, gravel, and fill material that will all be removed. New pavement will be installed with sidewalks, landscaping, and a fenced trash enclosure. The existing building will be remodeled and expanded to the north, away from the wetlands, with a net reduction of impact to the wetland buffer due to the removal of the existing paved drive-through lane surrounding the north, west, and south side of the building and removal of the overhang on the south side of the building.**

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

**No fill is proposed in surface waters or wetlands.**

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

**The project will not divert or withdraw any surface water.**

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

**No portions of the site are within the 100-year floodplain.**

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

**No waste material is proposed to be discharged to surface waters.**

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

**No groundwater will be withdrawn by the project. Stormwater will be collected and conveyed to an on-site stormwater detention and water quality system that will treat project-generated stormwater prior to release in the natural location to the wetland. The stormwater outfall will be reinforced with rip-rap for energy dissipation.**

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals . . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

**No waste materials will be discharged into the ground from the project.**

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

**The source of runoff from the project is from precipitation falling on existing and new pavement, sidewalks, and the building. Stormwater currently and will continue to flow westward to the Snoqualmie River via on-site wetlands.**

- 2) Could waste materials enter ground or surface waters? If so, generally describe.

**The project's stormwater system will treat stormwater per current standards to ensure that no waste material would enter surface waters.**

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

**The project will not alter drainage patterns in the vicinity of the site. Stormwater will be released at a controlled rate consistent with the 2016 KCSWDM.**

- d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

**Stormwater from the project will be collected and conveyed to an on-site stormwater detention and water quality system that will treat project-generated stormwater prior to release in the natural location to the wetland. The stormwater outfall will be reinforced with rip-rap for energy dissipation.**

#### 4. Plants

- a. Check the types of vegetation found on the site:

☒ **deciduous tree:** alder, maple, aspen, ☐ **cottonwood**  
☐ evergreen tree: fir, cedar, pine, other  
☒ **shrubs**  
☒ **grass**  
☒ **pasture**  
☐ crop or grain  
☐ Orchards, vineyards or other permanent crops.  
☒ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, ☐  
☐ water plants: water lily, eelgrass, milfoil, other  
☐ other types of vegetation

- b. What kind and amount of vegetation will be removed or altered?

**The project will remove some existing landscaping and a limited amount of understory plants for the stormwater outlet.**

- c. List threatened and endangered species known to be on or near the site.

**The applicant is not aware of any threatened or endangered plant species on the site.**

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

**Mitigation plantings of native plants will occur on site in buffers where impacted and for enhancement for reduced buffer widths.**

- e. List all noxious weeds and invasive species known to be on or near the site.

**The site contains reed canary grass, knotweed, and Himalayan blackberry, which are non-native invasive species.**

## **5. Animals**

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Examples include:

birds: hawk, heron, eagle, songbirds, other:  
mammals: deer, bear, elk, beaver, other:  
fish: bass, salmon, trout, herring, shellfish, other \_\_\_\_\_

- b. List any threatened and endangered species known to be on or near the site.

**Snoqualmie River is "near" the site within 700 feet and contains threatened or endangered salmonid species.**

- c. Is the site part of a migration route? If so, explain.

**The site is within the Pacific Flyway for migratory birds.**

- d. Proposed measures to preserve or enhance wildlife, if any:

**The wetland and buffer that occupies much of the west half of the site will be protected with a permanent native growth protection easement (Parcel B of the Boundary Line Adjustment). A buffer fence will be installed at the edge of the project limits to provide a delineation of the protected area.**

- e. List any invasive animal species known to be on or near the site.

**The applicant is not aware of any invasive animals on or near the site.**

## **6. Energy and Natural Resources**

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

**Electricity and natural gas are expected to meet the project's energy needs, including heating, lighting, and other uses.**

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

**The project does not use or affect neighboring uses of solar power. The proposed building height is consistent with zoning standards.**

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

**The building and site will comply with Washington State Energy Codes for lighting, glazing, and insulation.**

## **7. Environmental Health**

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

**No environmental health hazards could occur from the proposal.**

- 1) Describe any known or possible contamination at the site from present or past uses.

**The site contains no known contamination from present or past uses.**

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

**The project does not use or occur near any toxic chemicals.**

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

**The project does not use or occur near any toxic chemicals.**

- 4) Describe special emergency services that might be required.

**No special emergency services are anticipated.**

- 5) Proposed measures to reduce or control environmental health hazards, if any:

**The project does not create any environmental health hazards to be controlled.**

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

**Traffic from Main Street is the only noise near the project.**

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

**The project will have short-term noise generation during site and building construction. Long term, however, the project will not generate significant noise.**

- 3) Proposed measures to reduce or control noise impacts, if any:

**No measures to control noise impacts are proposed or warranted.**

## **8. Land and Shoreline Use**

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

**The site is currently used as office space for church staff and officials. The proposed use will be a church with a 2,100-square-foot assembly area, classrooms for Sunday school, and offices for church staff and officials. The project is not expected to have any impact on adjacent uses.**

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

**The applicant is not aware of prior agricultural uses on the site.**

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

**The site is not near working farmland. Farmland is nearby within one mile to the west.**

- c. Describe any structures on the site.

**The site contains an existing building that originally was constructed as a bank with a drive-through lane and an 18-stall parking lot.**

- d. Will any structures be demolished? If so, what?

**The project will eliminate two small, fenced areas west of the building that have been used for trash enclosures and storage. The existing building will be remodeled, which will require removal of portions of the north and west wall as well as the drive-through overhang on the south side of the building.**

- e. What is the current zoning classification of the site?

**The site is zoned Midtown – Commercial and Office (MT).**

- f. What is the current comprehensive plan designation of the site?

**The site has a comprehensive plan designation of Commercial.**

- g. If applicable, what is the current shoreline master program designation of the site?

**The site is not within a shoreline area.**

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

**Yes, the site contains steep slopes and wetlands.**

- i. Approximately how many people would reside or work in the completed project?

**The church will have up to 10 full time equivalent employees.**

- j. Approximately how many people would the completed project displace?

**No people will be displaced by the project.**

- k. Proposed measures to avoid or reduce displacement impacts, if any:

**None.**

- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

**Per the MT zoning district, churches are a permitted use. The project is subject to Site Plan Review to ensure consistency with design requirements, including**

**building design, landscaping, lighting, parking, environmental protections, and pedestrian spaces.**

- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

**The project has no impact to agricultural or forestry uses.**

## **9. Housing**

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

**Housing is not proposed for the project.**

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

**This does not apply.**

- c. Proposed measures to reduce or control housing impacts, if any:

**This does not apply.**

## **10. Aesthetics**

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

**The proposed remodeled building will comply with the maximum height limit of 35 feet. The exterior building materials will consist of masonry with wood, metal, windows, and other accents.**

- b. What views in the immediate vicinity would be altered or obstructed?

**The project will not alter or impact any views.**

- c. Proposed measures to reduce or control aesthetic impacts, if any:

**The visible façades of the building will be treated with design elements, including windows, modulation, and prominent doorways to create a pleasing appearance.**

## **11. Light and Glare**

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

**The project's parking lot and site lighting will create some light during evening and night hours. The proposed lighting will be dark-sky compliant.**

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

**The proposed lighting will not create glare or safety hazards.**

- c. What existing off-site sources of light or glare may affect your proposal?

**Street lights from Main Street and lot lights at adjacent commercial uses exist near the site; none of the existing light sources are expected to impact the project.**

- d. Proposed measures to reduce or control light and glare impacts, if any:

**The site lighting will be dark sky compliant.**

## **12. Recreation**

- a. What designated and informal recreational opportunities are in the immediate vicinity?

**Within 0.25 mile of the site are McCormick Park, Depot Park, Taylor Park, and Taylor's Landing Park.**

- b. Would the proposed project displace any existing recreational uses? If so, describe.

**The project will not impact or displace any existing recreational uses.**

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

**No measures are proposed or required.**

## **13. Historic and cultural preservation**

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

**The existing building on the site is a former bank that was constructed in 1992. The building is not listed in any preservation register.**

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

**There is no apparent evidence of Native American use or occupation of the site. The site has been previously developed and impacted in all of the proposed work areas.**

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the

department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

**Washington Department of Archaeology and Historic Preservation (DAHP) web search program WISAARD was reviewed. No cultural sites are noted to be on or near the site.**

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

**The site is already developed and disturbed in the areas of proposed construction. The applicant will follow standard practices to stop work and notify appropriate agencies and/or tribes if culturally significant items are uncovered during construction.**

#### **14. Transportation**

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

**Main Street provides all access to the site.**

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

**Metro Routes Dart 224 and 232 serve Duvall and travel past the site. According to the Metro Route Map, the closest bus stop is east of the site at Brown Avenue N.E. and N.E. Richardson Street within 0.25 mile of the site. Google Maps shows a bus stop north of the site at Main Street and Stewart Street more than 0.25 mile from the site.**

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

**The existing building has 18 parking spaces. Some of the existing parking will be modified to bring it closer to conformance with current regulations and 24 new parking stalls will be created. A total of 42 on-site parking stalls are proposed. No parking will be eliminated.**

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

**No improvements to existing streets are needed for the project.**

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

**The site is not near water, rail or air transportation.**

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

**Because the site was previously used as a bank, the project's traffic engineer, Gibson Traffic Consultants, Inc., has determined that the net traffic generation from the site is negative 98 trips per day and 48 fewer trips in the PM peak hour from the previous bank use.**

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

**The project would not interfere, affect or be affected by movement of agricultural and forest products on streets or roads in the area.**

- h. Proposed measures to reduce or control transportation impacts, if any:

**The project does not proposed any transportation control measures.**

## **15. Public Services**

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

**The project is expected to have no impact on public services as there is already a building and use on the site. The expansion of the building and change of use to a church will have no impact to police, fire, transit, health care, schools, or other public services.**

- b. Proposed measures to reduce or control direct impacts on public services, if any.

**No measures are proposed or warranted.**

## **16. Utilities**

- a. Circle utilities currently available at the site:

**electricity, natural gas, water, refuse service, telephone, sanitary sewer,**  
septic system, other \_\_\_\_\_

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

**Utility pipes exceeding 8 inches in diameter will be installed on site for water, sewer, and/or stormwater. Any impacted native vegetation areas will be restored to pre-existing conditions and any impacts to critical areas will be mitigated as shown on the Wetland Buffer Enhancement and Mitigation Plan prepared by Environmental Earth Sciences.**

### **C. Signature**

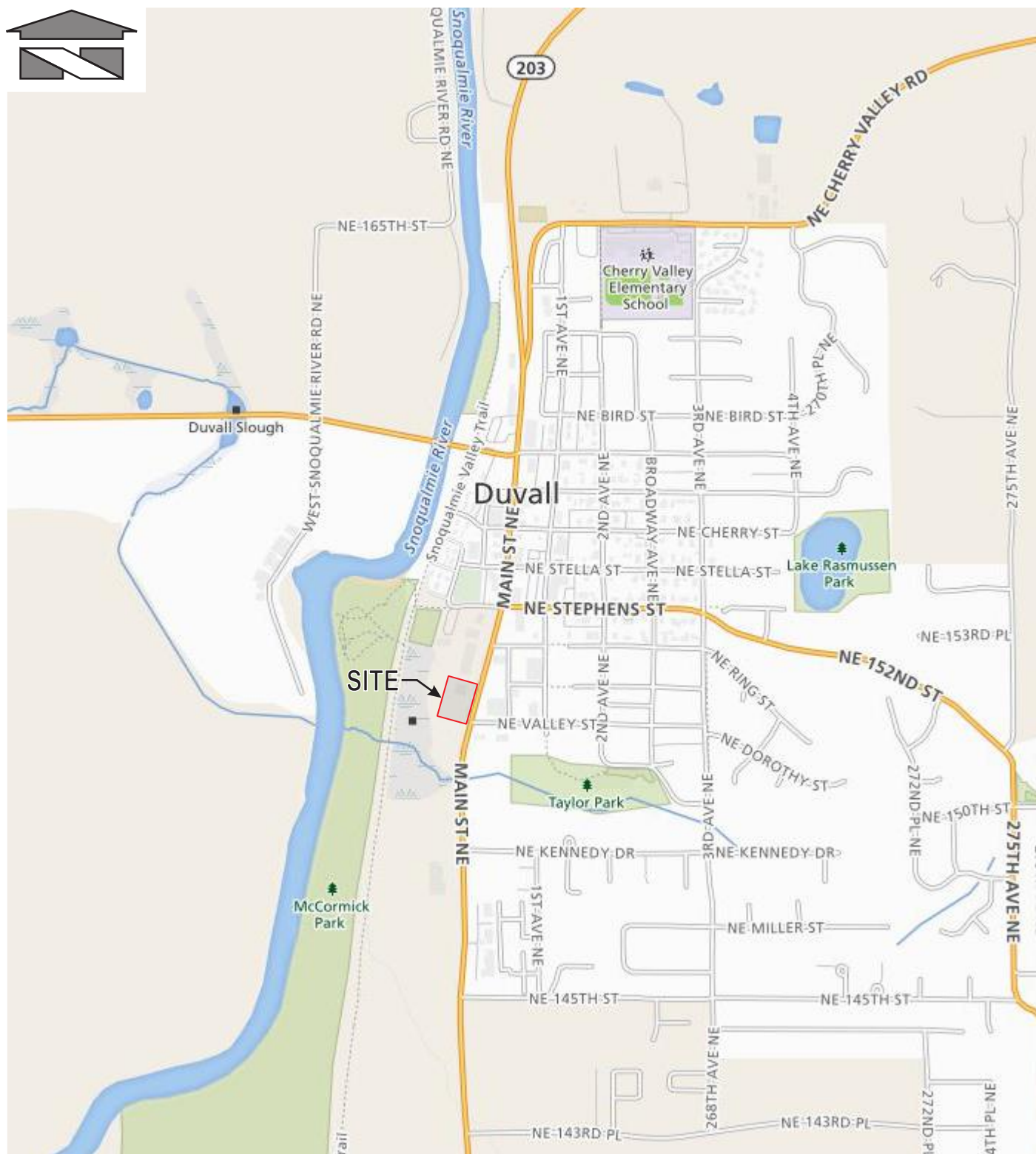
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: \_\_\_\_\_

Name of signee: Ivana Halvorsen

Position and Agency/Organization: Senior Planner, Barghausen Consulting Engineers, Inc.

Date Submitted: February 2020



REFERENCE: Rand McNally (2019)

Scale:

Horizontal: N.T.S.

Vertical: N/A



**Barghausen  
Consulting Engineers, Inc.**

18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222

**barghausen.com**

For:

**Redemption Church  
Duvall, Washington**

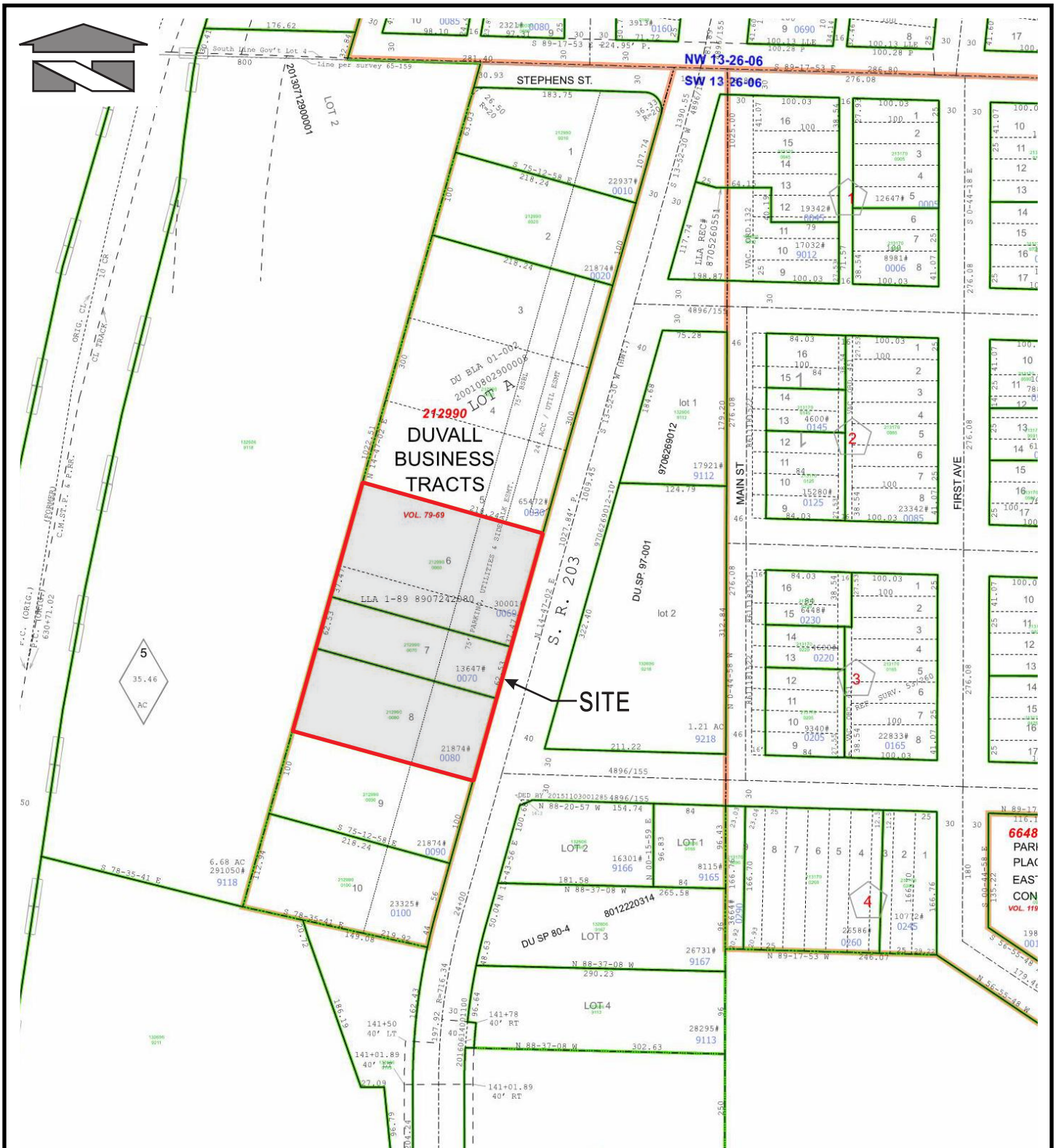
Title:

**VICINITY MAP**

Job Number

**20930**

DATE: 11/12/19



REFERENCE: King County Department of Assessments (Oct. 2019)

Scale:

Horizontal: N.T.S.

Vertical: N/A



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For:

**Redemption Church  
Duvall, Washington**

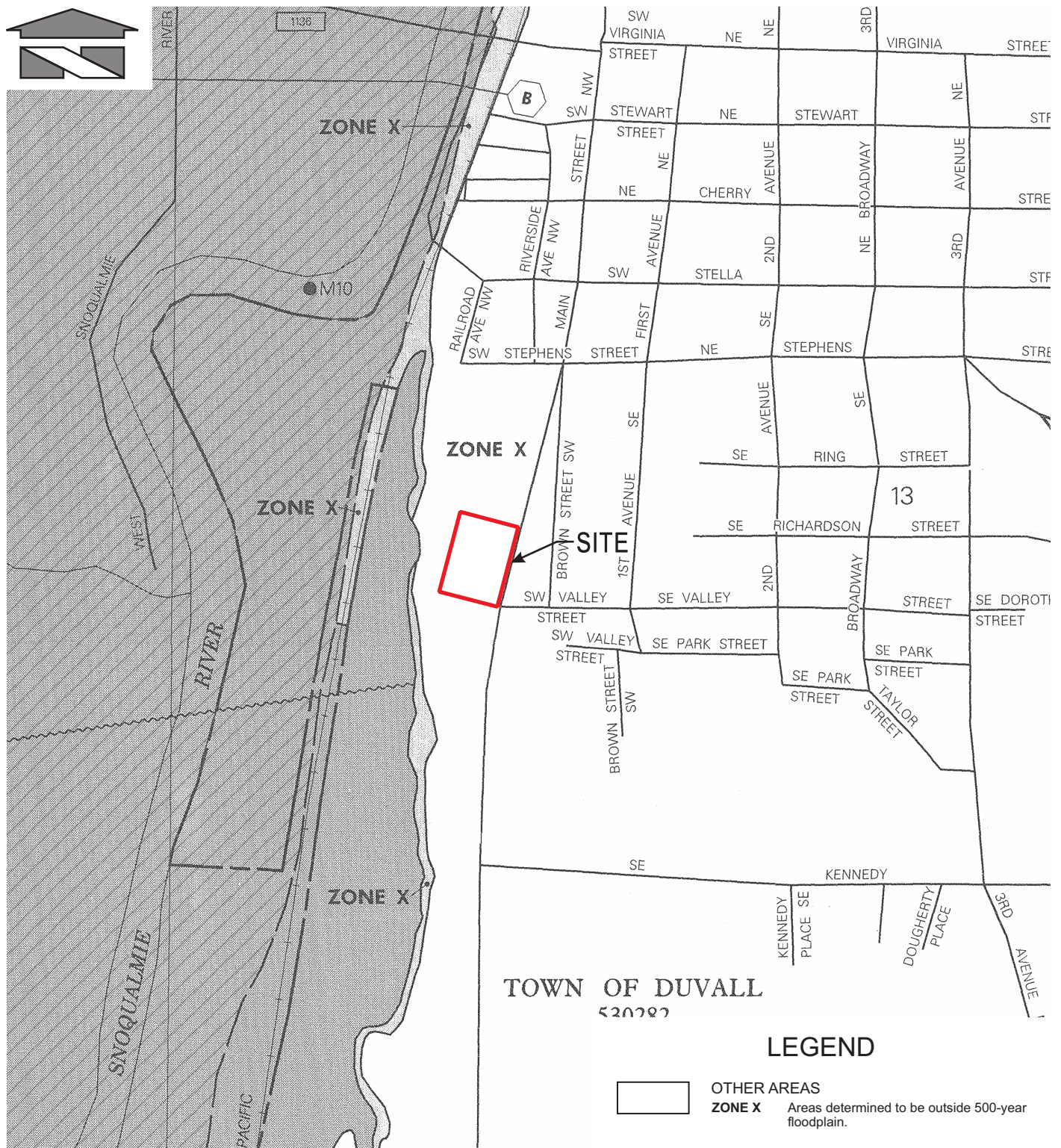
Title:

**ASSESSOR MAP**

Job Number

**20930**

DATE: 11/12/19



REFERENCE: Federal Emergency Management Agency (Portion of Map 53033C0401 F, May 1995)

Scale:

Horizontal: **N.T.S.**

Vertical: N/A



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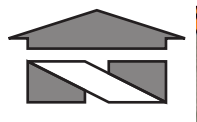
*Title:*

FEMA MAP

Job Number

20930

DATE: 11/12/19



REFERENCE: USDA, Natural Resources Conservation Service

LEGEND:

255 = Tokul gravelly medial loam, 8-15% slopes  
202 = Puget silty clay loam, 0-2% slopes

HSG

B  
C

Scale:

Horizontal: N.T.S.

Vertical: N/A

For:

Redemption Church  
Duvall, Washington

Job Number

20930



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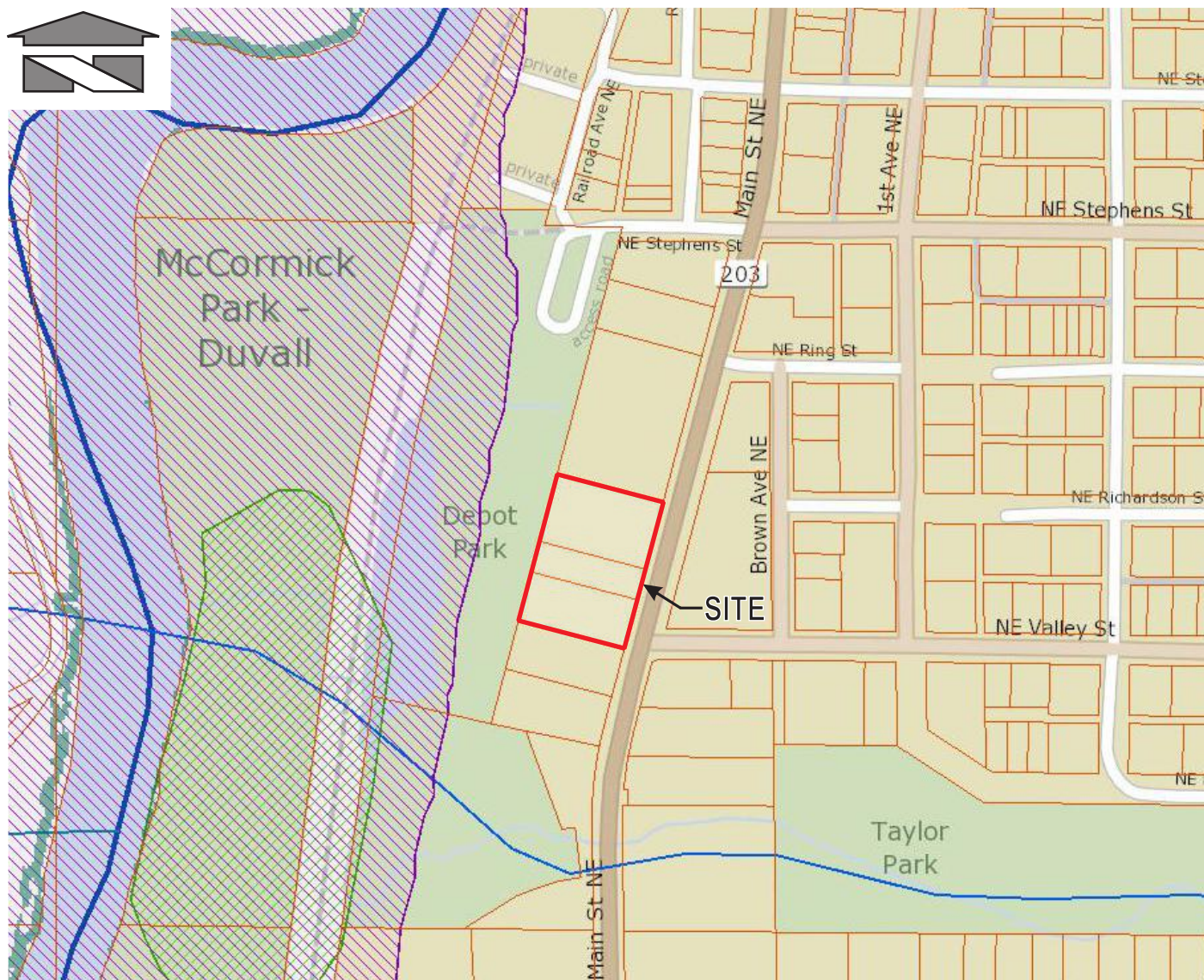
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Kent, WA 98032  
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Title:

**SOIL SURVEY MAP**

DATE: 11/12/19



## Legend

- |                                                                |                    |
|----------------------------------------------------------------|--------------------|
| Parcels                                                        | class 1            |
| Potential landslide hazard areas (2016, see explanation--->)   | class 2 perennial  |
| Potential steep slope hazard areas (2016, see explanation--->) | class 2 salmonid   |
| Erosion hazard (1990 SAO)                                      | class 3            |
| Seismic hazard (1990 SAO)                                      | unclassified       |
| Coal mine hazard (1990 SAO)                                    | Wetland (1990 SAO) |

REFERENCE: King County iMAP (2019)

Scale:

Horizontal: N.T.S.

Vertical: N/A



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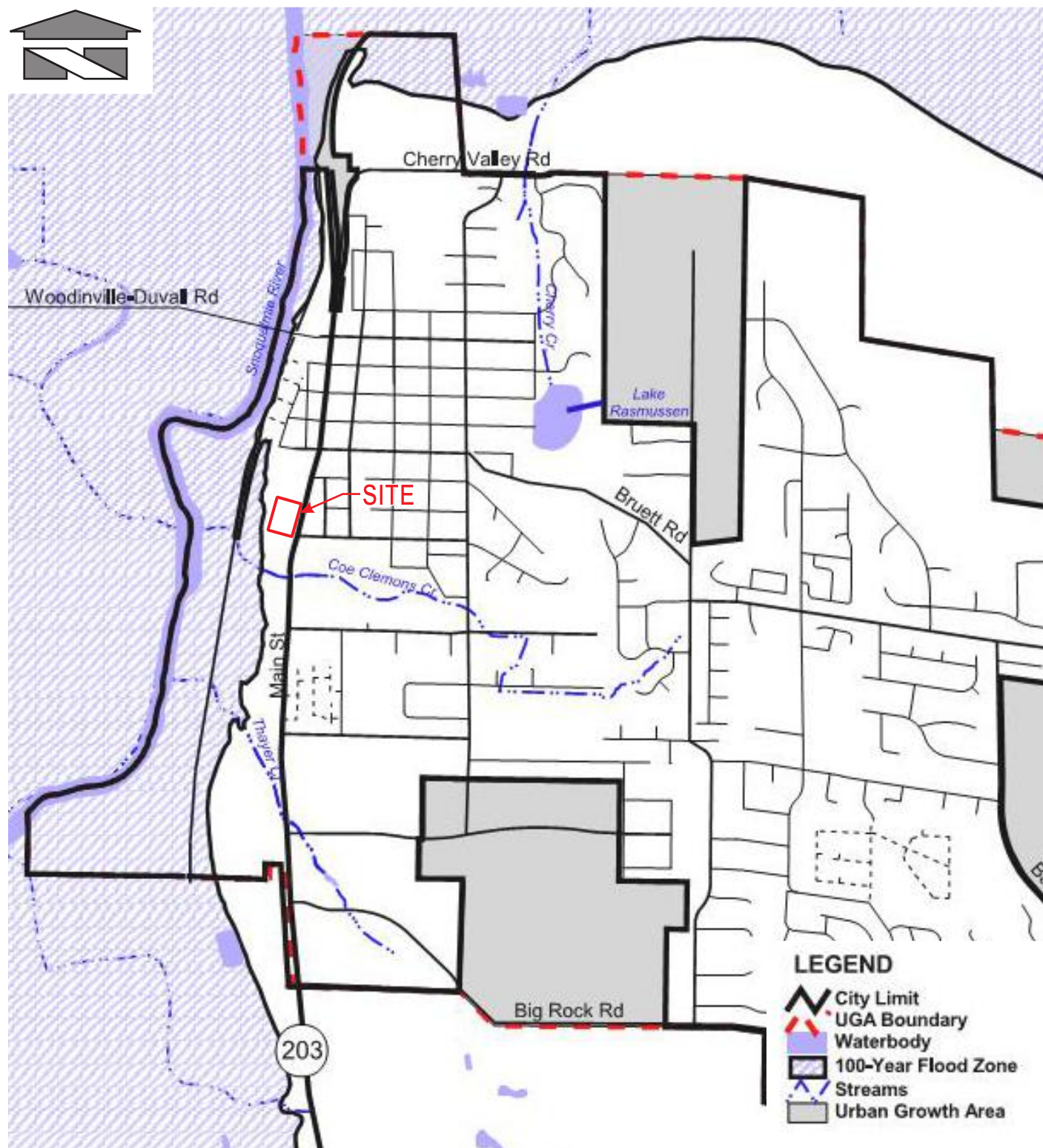
Title:

**SENSITIVE AREAS  
MAP**

Job Number

**20930**

DATE: 11/12/19



REFERENCE: [www.duvallwa.gov](http://www.duvallwa.gov)

Scale:

Horizontal: N.T.S.

Vertical: N/A



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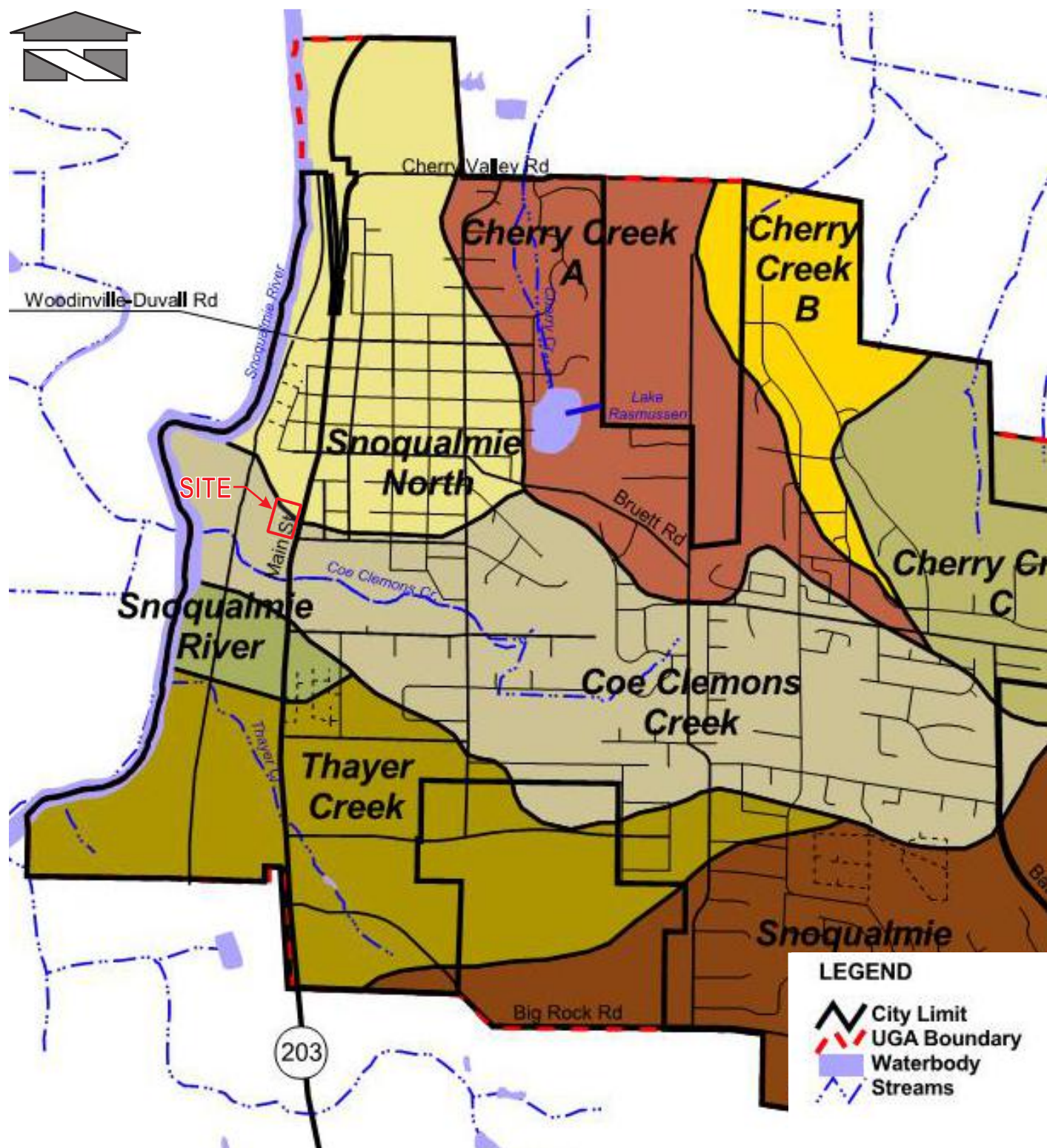
Job Number

20930

Title:

DUVALL  
FLOODPLAINS MAP

DATE: 11/12/19



REFERENCE: [www.duvallwa.gov](http://www.duvallwa.gov)

Scale:

Horizontal: N.T.S.

Vertical: N/A



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Title:

DUVALL  
SUBBASIN MAP

Job Number

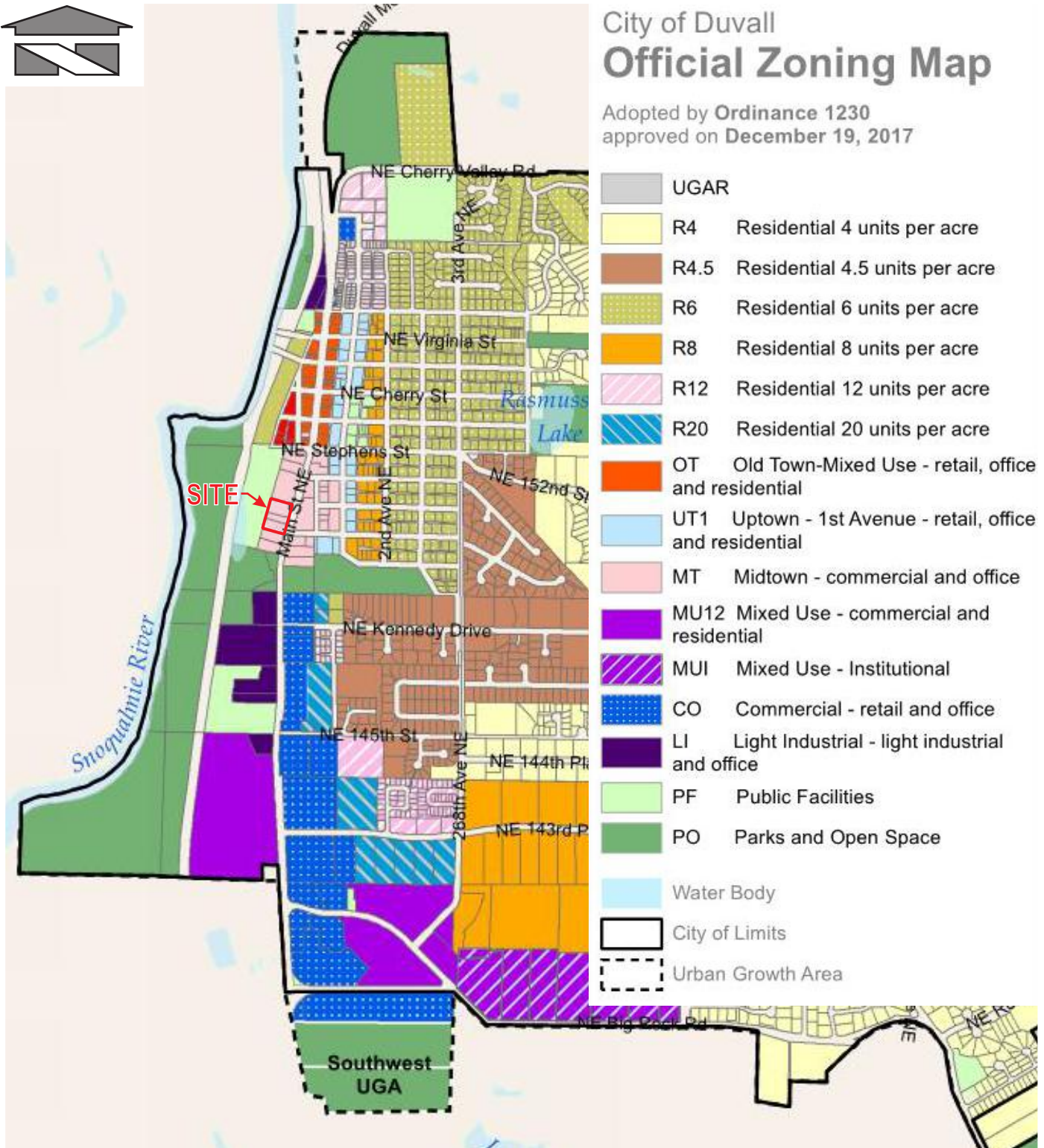
20930

DATE: 11/12/19



# City of Duvall Official Zoning Map

Adopted by **Ordinance 1230**  
approved on **December 19, 2017**



REFERENCE: [www.duvallwa.gov](http://www.duvallwa.gov)

Scale:

Horizontal: **N.T.S.**

Vertical: **N/A**



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**For:**

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Duvall, Washington**

**Title:**

**DUVALL  
ZONING MAP**

Job Number

**20930**

DATE: 11/12/19